

## ChAT Polyclonal Antibody

Catalog Number PA5-29653

Product Data Sheet

Details		Species Reactivity	
Size	100 µL	Tested species reactivity	Human, Mouse, Rat
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunocytochemistry (ICC)	1:100-1:1000
Type	Antibody	Immunofluorescence (IF)	1:100-1:1000
Immunogen	Recombinant fragment corresponding to a region within amino acids 102 and 351 of Human CHAT	Immunohistochemistry (Paraffin) (IHC (P))	1:400
Conjugate	Unconjugated	Western Blot (WB)	1:500-1:3000
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1mg/ml		
Purification	Antigen affinity chromatography		
Storage Buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

### Product Specific Information

PA5-29653 targets CHAT in IF and WB applications and shows reactivity with Human samples.

The PA5-29653 immunogen is recombinant fragment corresponding to a region within amino acids 102 and 351 of Human CHAT.

### Background/Target Information

This gene encodes an enzyme which catalyzes the biosynthesis of the neurotransmitter acetylcholine. This gene product is a characteristic feature of cholinergic neurons, and changes in these neurons may explain some of the symptoms of Alzheimer disease. Mutations in this gene are associated with congenital myasthenic syndrome associated with episodic apnea. Multiple transcript variants encoding different isoforms have been found for this gene, and some of these variants have been shown to encode more than one isoform.

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